

Practitioner's Docket No. W51.12-0032**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Alexandre Rouxel et al.

Application No.: 10/587,908

Group No.:

Filed: 07/28/2006

Examiner:

For: MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

PETITION BY JOINT INVENTOR(S) FILING ON BEHALF OF OTHER JOINT INVENTOR(S) WHO REFUSE(S) TO JOIN IN APPLICATION OR CANNOT BE REACHED (37 C.F.R. § 1.47(a))

NOTE: 37 C.F.R. § 1.47 Filing when an inventor refuses to sign or cannot be reached.

(a) If a joint inventor refuses to join in an application for patent or cannot be found or reached after diligent effort, the application may be made by the other inventor on behalf of himself or herself and the non-signing inventor. The oath or declaration in such an application must be accompanied by a petition including proof of the pertinent facts, the fee set forth in § 1.17(h), and the last known address of the non-signing inventor. The non-signing inventor may subsequently join in the application by filing an oath or declaration complying with § 1.63.

.....

(c) The Office will send notice of the filing of the application to all inventors who have not joined in the application at the address(es) provided in the petition under this section, and publish notice of the filing of the application in the Official Gazette. The Office may dispense with this notice provision in a continuation or divisional application, if notice regarding the filing of the prior application was given to the non-signing inventor(s).

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory;

Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10 *

☐ with sufficient postage as first class mail.

☒ as "Express Mail Post Office to Addressee"
Mailing Label No. EM007890180LS (mandatory)

TRANSMISSION

☐ facsimile transmitted to the Patent and Trademark Office, (571) 273-8300.

David D. Brush
Signature

Date: 6/18/07

06/20/2007 LLANDGRA 00000018 10587908

02 FC:1463

200.00 OP

David D. Brush
(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Petition by Joint Inventor(s) Filing on Behalf of Other Joint Inventor(s) Who Refuse(s) to Join in Application or Cannot Be Reached (37 C.F.R. § 1.47(a)) [1-4.1]—page 1 of 2)

NOTE: MPEP, § 409.03(e), 8th Edition:

"An application filed pursuant to 37 CFR 1.47 must state the last known address of the nonsigning inventor.

"That address should be the last known address at which the inventor customarily receives mail. See MPEP § 605.03. Ordinarily, the last known address will be the last known residence of the nonsigning inventor.

"Inasmuch as a nonsigning inventor is notified that an application pursuant to 37 CFR 1.47 has been filed on his or her behalf, other addresses at which the nonsigning inventor may be reached should also be given."

1. I, a joint inventor of the above identified application, sign below and petition to make this application on behalf of the non-signing joint inventor(s):

POUESSEL Damien

Type name of omitted joint inventor

who:

- ☐ refuses to join in the application
☒ cannot be found after diligent effort

2. This petition is accompanied by proof of the pertinent facts and the last known address of the non-signing inventor as set forth in the accompanying:

STATEMENT OF FACTS IN SUPPORT OF FILING ON BEHALF OF NONSIGNING INVENTOR (37 C.F.R. § 1.47).

"The statement of facts must be signed, where at all possible, by a person having firsthand knowledge of the facts recited therein. Statements based on hearsay will not normally be accepted. Copies of documentary evidence such as internet searches, certified mail return receipts, cover letters of instructions, telegrams, that support a finding that the nonsigning inventor could not be found or reached should be made part of the statement. The steps taken to locate the whereabouts of the nonsigning inventor should be included statement of facts. It is important that the statement contain facts as opposed to conclusions." MPEP, § 409.03(d), 8th Edition.

3. The fee set forth in § 1.17(g) (\$200.00), required by 37 C.F.R. § 1.47(a), is paid as follows:

- ☐ Attached is a ☐ check ☐ money order in the amount of \$ _____
☒ Authorization is hereby made to charge the amount of \$ _____
☒ to Deposit Account No. 23-11234
☒ to Credit card as shown on the attached credit card information authorization form PTO-2038.

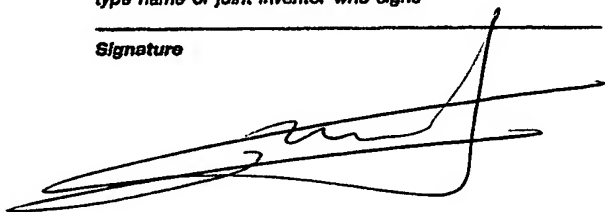
WARNING: Credit card information should not be included on this form as it may become public.

- ☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.
☐ A duplicate of this paper is attached.

ROUXEL Alexandre

type name of joint inventor who signs

Signature



(Petition by Joint Inventor(s) Filing on Behalf of Other Joint Inventor(s) Who Refuse(s) to Join in Application or Cannot Be Reached (37 C.F.R. § 1.47(a)) [1-4.1]—page 2 of 2)

Practitioner's Docket No. W51.12-0032**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Alexandre Rouxel et al.

For: MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM
MUDULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION

TTER

the specification of which:

(check and complete (a), (b), or (c))

- (a) ☐ Is attached hereto.
- (b) ☒ was filed on 07/28/2006, as Application Serial No. / 10/587,908
and was amended on _____ (if applicable).
- (c) ☒ was described and claimed in International Application No. PCT/FR2004/03378
filed on 12/23/2004 and as amended on 07/28/2006 (if any).

**STATEMENT OF FACTS IN SUPPORT OF FILING
ON BEHALF OF NONSIGNING INVENTOR (37 C.F.R. § 1.47)**

NOTE: This statement as to the pertinent facts concerning the refusal of the nonsigning inventor to join in the application or where the omitted inventor cannot be found or reached must accompany the declaration signed on behalf of the omitted inventor by a joint inventor or by a legal representative who shows a proprietary interest. Where the entity with a proprietary interest executes the declaration on behalf of the omitted inventor there must also be a showing that such action is necessary to preserve the rights of the parties or to prevent irreparable damage. 37 C.F.R. §§ 1.47(a) and (b).

NOTE: "The statement of facts must be signed, where at all possible, by a person having firsthand knowledge of the facts recited therein. Statements based on hearsay will not normally be accepted. Copies of documentary evidence such as internet searches, certified mail return receipts, cover letters of instructions, telegrams, that support a finding that the nonsigning inventor could not be found or reached should be made part of the statement. The steps taken to locate the whereabouts of the nonsigning inventor should be included statement of facts. It is important that the statement contain facts as opposed to conclusions." MPEP, § 409.03(d), 8th Edition.

This statement is made as to the exact facts that are relied upon to establish the diligent effort made to secure the execution of the declaration by the nonsigning inventor for the above-identified patent application before deposit thereof in the Patent and Trademark Office.

(check next item, if applicable)

- ☐ Because signing on behalf of the nonsigning inventor is by a person or entity showing a sufficient proprietary interest, this statement also recites facts as to why this action was necessary to preserve the rights of the parties or to prevent irreparable damage.

This statement is being made by the available person having first-hand knowledge of the facts recited therein.

NOTE: The statement "must be signed, where at all possible, by a person having first-hand knowledge of the facts recited therein." M.P.E.P. § 409.03(d), 8th ed. If different persons have first-hand knowledge of different facts, then a declaration from each such person as to those facts he or she knows should be submitted separately.

NOTE: Copies of documentary evidence, such as Internet searches, certified mail return receipt, cover letter of instructions, telegrams, etc., that support a finding that the nonsigning inventor could not be reached should be made part of the affidavit or declaration. It is important that the affidavit or declaration contain statements of fact as opposed to conclusions. M.P.E.P. § 409.03(d), 8th ed.

IDENTIFICATION OF PERSON MAKING THIS STATEMENT OF FACTS

Patrice Vidon

Name

Cabinet Vidon

Address

Technopole Atalante, 16B, rue de Jouanet, BP 90333, F-35703 Rennes Cedex 7, France

**EFFORTS DURING CONVENTION YEAR TO PREPARE APPLICATION AND
OBTAIN INVENTOR'S SIGNATURE**

NOTE: In cases where priority under 35 U.S.C. § 119 is to be claimed, the 37 C.F.R. § 1.47 applicant should explain what efforts, if any, were made during the Convention year to prepare the application and obtain the inventor's signature thereon. The period allowed by the Convention year should "be sufficient for the preparation and deposit of an application . . . In the form required by the rules." . . . Accordingly, 37 C.F.R. § 1.47 may not be used "to save the parties from the consequences of their delay." M.P.E.P. § 409.03(d), 7th ed.

Applicant entered the U.S. through the PCT, not 35 U.S.C. § 119.

(use Supplemental Page(s), if necessary)

(Statement of Facts in Support of Filing on Behalf of Nonsigning Inventor [1-6]—page 2 of 7)

LAST KNOWN ADDRESS OF THE NONSIGNING INVENTOR

NOTE: MPEP, § 409.03(e), 8th Edition:

"An application filed pursuant to 37 CFR 1.47 must state the last known address of the nonsigning inventor.

"That address should be the last known address at which the inventor customarily receives mail. See MPEP § 605.03. Ordinarily, the last known address will be the last known residence of the nonsigning inventor.

"Inasmuch as a nonsigning inventor is notified that an application pursuant to 37 CFR 1.47 has been filed on his or her behalf, other addresses at which the nonsigning inventor may be reached should also be given."

POUESSEL Damien

Full name of nonsigning inventor

14, avenue Croix Guérin - 14000 CAEN - FRANCE

Last known address of nonsigning inventor

NOTE: Ordinarily, the last known address will be the last known residence of the nonsigning inventor, but other addresses at which the nonsigning inventor may be reached should also be given in the space below. M.P.E.P. § 409.03(e), 6th ed.

DETAILS OF EFFORTS TO REACH NONSIGNING INVENTOR

NOTE: Complete either these facts or the facts as to REFUSAL OF NONSIGNING INVENTOR TO SIGN APPLICATION PAPERS or both, in applicable circumstances.

NOTE: "The statement of facts must be signed, where at all possible, by a person having firsthand knowledge of the facts recited therein. Statements based on hearsay will not normally be accepted. Copies of documentary evidence such as Internet searches, certified mail return receipts, cover letters of instructions, telegrams, that support a finding that the nonsigning inventor could not be found or reached should be made part of the statement. The steps taken to locate the whereabouts of the nonsigning inventor should be included statement of facts. It is important that the statement contain facts as opposed to conclusions." MPEP, § 409.03(d), 8th Edition.

See attached annex 4.

(use Supplemental Page(s), if necessary)

(Statement of Facts in Support of Filing on Behalf of Nonsigning Inventor [1-6]—page 4 of 7)

**DETAILS OF REFUSAL OF NONSIGNING INVENTOR
TO SIGN APPLICATION PAPERS**

NOTE: Complete either these facts or the facts as to **DETAILS OF EFFORTS TO REACH NONSIGNING INVENTOR** or both, in applicable circumstances.

NOTE: MPEP, § 409.03(d), 8th Edition:

"A refusal by an inventor to sign an oath or declaration when the inventor has not been presented with the application papers does not itself suggest that the inventor is refusing to join the application unless it is clear that the inventor understands exactly what he or she is being asked to sign and refuses to accept the application papers. A copy of the application papers should be sent to the last known address of the nonsigning inventor, or, if the nonsigning inventor is represented by counsel, to the address of the nonsigning inventor's attorney. The fact that an application may contain proprietary information does not relieve the 37 CFR 1.47 applicant of the responsibility to present the application papers to the inventor if the inventor is willing to receive the papers in order to sign the oath or declaration. It is noted that the inventor may obtain a complete copy of the application, unless the inventor has assigned his or her interest in the application, and the assignee has requested that the inventor not be permitted access. See MPEP § 106. It is reasonable to require that the inventor be presented with the application papers before a petition under 37 CFR 1.47 is granted since such a procedure ensures that the inventor is apprised of the application to which the oath or declaration is directed. In re Gray, 115 USPQ 80 (Comm'r Pat. 1956).

"Where a refusal of the inventor to sign the application papers is alleged, the circumstances of the presentation of the application papers and of the refusal must be specified in a statement of facts by the person who presented the inventor with the application papers and/or to whom the refusal was made. Statements by a party not present when an oral refusal is made will not be accepted.

"Proof that a bona fide attempt was made to present a copy of the application papers (specification, including claims, drawings, and oath or declaration) to the nonsigning inventor for signature, but the inventor refused to accept delivery of the papers or expressly stated that the application papers should not be sent, may be sufficient. When there is an express oral refusal, that fact along with the time and place of the refusal must be stated in the statement of facts. When there is an express written refusal, a copy of the document evidencing that refusal must be made part of the statement of facts. The document may be redacted to remove material not related to the inventor's reasons for refusal.

"When it is concluded by the 37 CFR 1.47 applicant that a nonsigning inventor's conduct constitutes a refusal, all facts upon which that conclusion is based should be stated in the statement of facts in support of the petition or directly in the petition. If there is documentary evidence to support facts alleged in the petition or in any statement of facts, such evidence should be submitted. Whenever a nonsigning inventor gives a reason for refusing to sign the application oath or declaration, that reason should be stated in the petition."

See attached annex 4.

(use Supplemental Page(s), if necessary)

~~(Ref. 102-3/05 Pub. 605)~~ **FORM 1-6** **1-61**

Date: May 4, 2007


Signature of person making statement

☐ Plus _____ Added Page(s)

(Statement of Facts in Support of Filing on Behalf of Nonsigning Inventor [1-6]—page 7 of 7)

ANNEX 1

De : Sabrina Fauvel <sfauvel@vidon.com>
Objet : **Rép : Adresse de Monsieur Damien POUESSEL (R9597US)**
Date : 11 janvier 2007 14:43:40 HNEC
À : Nathalie.GOUDARD@wavecom.fr

N/Réf: R9597US

Chère Madame,

les courriers que nous avons transmis à M. Pouessel à l'adresse que vous nous aviez indiquée ci-dessous nous ont été retournés par la poste.

En conséquence, nous vous remercions de bien vouloir vous informer si nous pouvons le contacter à une autre adresse ou par téléphone.

A défaut de coordonnées valables, les documents de pouvoir et de cession de pourrons être signés par M. Pouessel et nous devons alors engager une procédure d'affidavit afin de maintenir vos droits sur ce dossier.

Dans l'attente de vous lire, nous vous prions d'agréer, Chère Madame, nos sincères salutations.

S. FAUVEL
sfauvel@vidon.fr

Cabinet VIDON

Conseils en Propriété Industrielle - Patent & Trademark Attorneys

Brevets - Marques - Modèles - Droits d'auteur - Patents - Trademarks - Models - Copyrights

Contrats & litiges - Contracts & Litigations

Rennes - Nantes - Paris - Laval - Munich - Alicante - Bangkok - Shanghai

Cet e-mail est destiné exclusivement au(x) destinataire(s) indiqué(s) et est confidentiel. En cas d'erreur de destinataire, merci d'en avertir immédiatement l'émetteur et de détruire les documents concernés.

The contents of this e-mail are solely intended to the addressee(s) and are strictly confidential. If you received it by mistake please notify us immediately and then destroy it.

Le 28 nov. 06 à 21:34, Nathalie.GOUDARD@wavecom.fr a écrit :

Bonjour Sabrina,

Voici la dernière adresse que l'on a:

"14 avenue Croix Guerin
14000 CAEN"

Bien cordialement,
Nathalie.

----- Forwarded by Nathalie GOUDARD/FR/wavecom on 28/11/2006 21:33 -----
Nathalie GOUDARD/FR/wavecom

23/11/2006 00:51

Sabrina Fauvel <sfauvel@vidon.com>

To
cc
Subject

Re: Fwd: Adresse de Monsieur Damien POUESSELLink

Bonjour Sabrina,

Désolée pour ma tardive réponse.
J'ai demandé les nouvelles coordonnées de Damien (si on les a) à notre service RH.
Je vous tiens au courant dès que j'ai ces informations.

Merci.

Bien cordialement,
Nathalie.

Sabrina Fauvel <sfauvel@vidon.com>

31/10/2006 15:07

Nathalie GOUDARD <Nathalie.GOUDARD@wavecom.fr>

To
cc
Subject

Fwd: Adresse de Monsieur Damien POUESSEL

Chère Madame,

avez-vous obtenu des informations sur la nouvelle adresse de M.
Pouessel ?

Merci d'avance de votre réponse.

Cordialement,

S. FAUVEL
sfauvel@vidon.fr

Cabinet VIDON

Conseils en Propriété Industrielle - Patent & Trademark Attorneys

Brevets - Marques - Modèles - Droits d'auteur - Patents -
Trademarks - Models - Copyrights
Contrats & litiges - Contracts & Litigations

Rennes - Nantes - Paris - Laval - Munich - Alicante - Bangkok - Shanghai

Cet e-mail est destiné exclusivement au(x) destinataire(s) indiqué(s)
et est
confidentiel. En cas d'erreur de destinataire, merci d'en avertir
immédiatement l'émetteur
et de détruire les documents concernés.

The contents of this e-mail are solely intended to the addressee(s)
and are strictly
confidential. If you received it by mistake please notify us
immediately and then
destroy it.

Début du message réexpédié :

> De : Sabrina Fauvel <sfauvel@vidon.com>
> Date : 11 octobre 2006 11:03:09 HAEC
> À : Nathalie GOUDARD <Nathalie.GOUDARD@wavecom.fr>
> Objet : Adresse de Monsieur Damien POUESSEL
>
> Chère Madame,
>
> Nous avons transmis, pour signature, le pouvoir et la cession du
> dossier référencé R9597US à Monsieur Damien POUESSEL, à l'adresse
> ci-dessous:
>
> 10, rue Roger Salengro
> 92130 ISSY-LES-MOULINEAUX
>
> Notre courrier nous à été retourné par la poste.
>
> Auriez-vous une adresse plus récente concernant cet inventeur ?
>
> Cordialement,
>
> S. FAUVEL
> sfauvel@vidon.fr
>
>
> Cabinet Patrice VIDON
> *****
> Conseils en Propriété Industrielle -- Patent & Trademark Attorneys
> Brevets - Marques - Modèles - Droits d'auteur -- Patents -
> Trademarks - Models - Copyrights
> Contrats & litiges - Contracts & Litigations
> *****
> Rennes - Nantes - Paris - Bangkok - Shangai
>
> Cet e-mail est destiné exclusivement au(x) destinataire(s) indiqué
> (s) et est
> confidentiel. En cas d'erreur de destinataire, merci d'en avertir

> immédiatement l'émetteur
> et de détruire les documents concernés.
>
> The contents of this e-mail are solely intended to the addressee(s)
> and are strictly
> confidential. If you received it by mistake please notify us
> immediately and then
> destroy it.
>
>

From: sfauvel@vidon.fr
Re: Address of Mr. Damien POUESSEL (R9597US)
Date: January 11, 2007
To: Nathalie.GOUDARD@wavecom.fr

O/Ref: R9597US

Dear Madam,

The mails we sent to Mr. Pouessel to the address you have indicated us hereunder, have been returned by the Post Office.

Consequently, we thank you to inform us if we can contact him to another address or by telephone.

If there is no available information, Mr. Pouessel will not be in a position to sign the Power of Attorney and Assignment and we will have to undertake an affidavit procedure so as to maintain your rights on this file.

Looking forward to hearing from you,
Yours faithfully,

S. Fauvel

* * *
* *

On Nov. 28 – 06 Nathalie.GOUDARD@wavecom.fr wrote:

Hello Sabrina,

Here is the last address we have:

« 14 avenue Croix Guérin
14000 CAEN »

Best Regards,
Nathalie.

* * *
* *

Nathalie GOUDARD/wavecom
11/23/2006
sfauvel@vidon.fr

Hello Sabrina,

Sorry for my late reply.

I have asked the new information of Damien (if ever we have them) to our service HR.

I'll let you know as soon as I get it.

Thank you.

Best Regards,
Nathalie.

* * *
* *

sfauvel@vidon.fr
10/31/2006
Nathalie.GOUDARD@wavecom.fr

Dear Madam,

Did you get information on the new address of Mr. Pouessel?

Thanking you beforehand for your reply,

Regards,

sfauvel@vidon.fr

* * *
* *

From sfauvel@vidon.fr
Re: Address of Mr. Damien POUESSEL (R9597US)
Date: October 11, 2006
To: Nathalie.GOUDARD@wavecom.fr

Dear Madam,

We have transmitted, for signature, the Power of Attorney and Assignment of the file referenced R9597US to Mr. POUESSEL, to the following address:

10, rue Roger Salengro
92130 ISSY-LES-MOULINEAUX

Our mail has been returned by the post office.

Do you have a more recent address concerning this inventor?

Best Regards,

sfauvel@vidon.fr

ANNEX 2

Cabinet VIDON

Patrice VIDON ^{1,2,3}
Ludovic BIORET ^{1,2,3}

Patent & Trademark Attorneys
Conseils en Propriété Industrielle
Brevets et Marques
Contrats

Technopole Atalante
16B, rue de Jouanet
BP 90333
F - 35703 RENNES Cedex 7

Téléphone : 33 (0) 299 382 300
Fax : 33 (0) 299 360 200
e-mail : vidon@vidon.com
Site Web : www.vidon.com

INGENIEURS

Domlnique LARCHER ^{1,2,3}
Patrick GUENE ^{1,2}
Jean-Luc CHESNEAU ¹
Vivien VERBRUGGE
Marlon GUY
Louis-Paterne BOUAN DU CHEF DU BOS
Arya VANSIRI
Gaël LE SAUX
Emmanuel BRETAGNE
Karine LE NOANE
Antoine PROVOST
David MORAIN

Responsable administrative Brevet
Carole CHEVAL-URVOY

JURISTES

Soazlg THEMOIN-GAUTIER ^{1,2}
Katia ROBINO ^{1,2}
Sonia PHILIPPOT ^{1,2}
Laure CATTONI ^{1,2}
Benjamin FIEVRE

Responsable administrative Juridique
Valérie BLANCHET

1. *Conseils en PI*
2. *Mandat OEB*
3. *Mandat OHMI*

RESPONSABLE ADMINISTRATIF ET FINANCIER

Franck BROCHET

CONSULTANT

Vincent CORLAU
Avocat

AUTRES BUREAUX EN FRANCE

3, rue du Faubourg Saint Honoré
75 008 PARIS
Tél : 33 (0) 158 183 183

Immeuble Salorges 1
15, Quai Ernest Renaud
44 100 NANTES
Tél : 33 (0) 240 692 000

Laval Mayenne Technopole
6 rue Léonard de Vinci
BP 0102
53001 LAVAL Cedex
Tél : 33 (0) 243 497 527
(Sur rendez-vous)

VIDON & PARTNERS

CHINE - THAILANDE

M. POUESSEL Damien
10, rue Roger Salengro
92130 ISSY-LES-MOULINEAUX

Rennes, le 3 octobre 2006

Nos réf : R9597US/PGE-SFL/47570

Objet : Demande de brevet américain n°10/587,908 issue de la demande de brevet internationale n°PCT/FR04/003378 du 23.12.05 revendiquant la priorité de la demande de brevet français n°04 00926 du 30.01.04 concernant un "Procédé de réception multi modulation s'appliquant à la démodulation de signaux issus de modulations dont les symboles sont inclus dans une constellation principale".

POUVOIRS À SIGNER

Cher Monsieur,

Comme vous le savez, nous représentons la société WAVECOM concernant la demande de brevet américain citée en objet dont vous êtes l'un des inventeurs.

Afin de compléter ce dossier, vous voudrez bien nous faire retour des originaux du pouvoir et de l'« Assignment » ci-joints, que vous aurez datés et signés, au plus tard pour le :

31 octobre 2006.

L'« Assignment » doit en outre comporter la signature d'un témoin qui indiquera également son nom et son adresse.

Dans cette attente, nous vous prions de croire, Cher Monsieur, à l'expression de nos sincères salutations.

P.J : 1 pouvoir
1 cession TECHNOLOGIES :
Mécanique ; électronique, informatique ;
matériaux ; chimie et biotechnologie.

VEILLE BREVETS :
Recherche de l'information technologique,
surveillance de la concurrence.

PROTECTION JURIDIQUE :
Stratégie de protection ; rédaction et dépôt de brevets, dépôt de marques et modèles ; études de contrefaçon, contentieux amiable et judiciaire.

CONTRATS - EXPERTISES :
Rédaction de contrats de coopération technologique (licence, recherche, marchés d'étude,...) ;
Expertise de portefeuilles de propriété industrielle.

P. VIDON

ASSIGNMENT

Attorney Docket No.

W51.12-0032

WHEREAS, we, Alexandre Rouxel of Rennes, France and Damien Pouessel of Issy-Les-Moulineaux, France (hereinafter referred to as ASSIGNOR), are the joint inventors of an invention entitled MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION for Letters Patent filed pursuant to the Patent Cooperation Treaty and designating of the United States, the international application being identifiable in the Receiving Office by Application No. PCT/FR2004/003378, filed December 23, 2004 and/or the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 10/587,908, filed July 28, 2006; and

WHEREAS, WAVECOM, a company and existing under the laws of France, and having offices at 3, Esplanade du Foncet, 92442 Issy-Les-Moulineaux Cedex, France, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, to be obtained therefor in the United States;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, all Letters Patent or similar legal protection issuing thereon in the United States, and I authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in the United States.

Alexandre Rouxel (Inventor)

Date: _____

(Witness Printed Name)

(Witness Signature)

(Witness Address)

D
Damien Pouessel (Inventor)

Date: *D*

(Witness Printed Name)

(Witness Signature)

(Witness Address)

*Nom +
Signature +
Adresse, d'un témoin.*

**COMBINED DECLARATION AND
POWER OF ATTORNEY
IN ORIGINAL APPLICATION**

Attorney Docket No.

W51.12-0032

SPECIFICATION AND INVENTORSHIP IDENTIFICATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original and joint inventor of the subject matter which is claimed, and for which a patent is sought, on the invention entitled MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION the specification of which,

X is entitled, MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION and having attorney docket number W51.12-0032.

X was filed on July 28, 2006 as Appln. No. 10/587,908.

X was described and claimed in PCT International Application No. PCT/FR2004/003378 filed on 23 December 2004 and as amended by Preliminary Amendment filed on July 28, 2006.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known to me to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119)

Prior Foreign Application(s)

I claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below, each of which is incorporated by reference in its entirety, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Day/Month/Year Filed	Priority Claimed
<u>04/00926</u>	<u>France</u>	<u>30 January 2004</u>	Yes <u>X</u> No <u> </u> Yes <u> </u> No <u> </u>

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States Provisional Application(s) listed below, each of which is incorporated by reference in its entirety:

Number	Day/Month/Year Filed
<u> </u>	<u> </u>
<u> </u>	<u> </u>

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appl. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____
_____	_____	_____	_____

DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I appoint the attorneys and agents associated with

Customer Number 27367,

which is the customer number for the law firm of Westman, Champlin & Kelly, P.A., to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution and revocation.

I ratify all prior actions taken by Westman, Champlin & Kelly, P.A. or the attorneys and agents mentioned above in connection with the prosecution of the above-mentioned patent application.

DESIGNATION OF CORRESPONDENCE ADDRESS

Please address all correspondence and telephone calls to David D. Brush in care of:

WESTMAN, CHAMPLIN & KELLY, P.A.
900 Second Avenue South, Suite 1400
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

Inventor: _____ Date: _____
(Signature)

Inventor: Alexandre Rouxel

Mathieu, France

Residence: Rennes, France Citizenship: France

P.O. Address: 14, rue Corentin Carre, 35000 Rennes, France

9, rue Alexandre Bigot, 14920 MATHIEU, France

Inventor: *[Signature]*
(Signature)

Date: *[Signature]*

Inventor: Damien Pouessel

Residence: *Caen, France*
Issy Les Moulineaux, France Citizenship: France

P.O. Address: 10, rue Roger Salengro, 92130 Issy Les Moulineaux, France
14, avenue Croix Guérin, 14000 Caen, France

Cabinet VIDON

Conseils en Propriété Industrielle
Patent & Trademark Attorneys

16 B, rue de Jouanet - BP 90333

Technopole Atalante

F - 35703 RENNES Cedex 7

LETTRE

RENNES CTC
ILLE ET VILA

04 10 06

221 L0 2A5557

E70D 359650

€ R.F.

000,86

LA POSTE

MB 600136

10 OCT. 2006



COPIES

e-mail : vidon@vidon.com
Site Web : www.vidon.com

M. POUESSEL Damien
10, rue Roger Salengro
92130 ISSY-LES-MOULINEAUX

Rennes, le 3 octobre 2006

M. POUESSEL Damien
10, rue Roger Salengro
92130 ISSY-LES-MOULINEAUX

Rennes, Octobre 3rd 2006

Our Ref. : R9597US/PGE-SFL/47570

Re : US patent application n°10/587,908 corresponding to international patent application n° PCT/FR04/003378 of 12.23.2005 claiming priority of French patent application n°04 00926 of 01.30.2004 concerning a « **MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION** »

<i>POWERS OF ATTORNEY TO BE SIGNED</i>

Dear Sir,

As you know, we represent the company WAVECOM concerning the above-mentioned patent application, of which you are one of the inventors.

So as to complete this case, we thank you to return us the **original** power of attorney and « Assignment » here enclosed, that you would have **signed and dated**, at the latest for :

October 31 2006.

The « Assignment » must also include the signature of a **witness** who will also indicate his/her **name** and **address**.

In this awaiting, we remain

Very truly yours,

P. VIDON

P.J : *1 Power of Attorney*
1 Assignment

ANNEX 3

Cabinet VIDON

Patrice VIDON ^{1 2 3}
Ludovic BIRET ^{1 2 3}

Patent & Trademark Attorneys
Conseils en Propriété Industrielle
Brevets et Marques
Contrats

Technopole Atalante
16B, rue de Jouanet
BP 90333
F - 35703 RENNES Cedex 7

Téléphone : 33 (0) 299 382 300
Fax : 33 (0) 299 360 200
e-mail : vidon@vidon.com
Site Web : www.vidon.com

INGENIEURS

Dominique LARCHER ^{1 2 3}
Patrick GUENE ^{1 2}
Jean-Luc CHESNEAU ¹
Vivien VERBRUGGE ²
Marlon GUY
Louis-Paterne BOUAN DU CHEF DU BOS

Arya VANSIRI

Gaël LE SAUX

Emmanuel BRETAGNE

Karine LE NOANE

Antoine PROVOST

David MORAIN

Responsable Administrative Brevets

Carole CHEVAL-URVOY

JURISTES

Soazig THEMÔIN-GAUTIER ^{1 3}

Katia ROBINO ^{1 3}

Sonia PHILIPPOT ^{1 3}

Laure CATTONI ^{1 3}

Benjamin FIEVRE

Responsable Administrative Juridique

Valérie BLANCHET

1. *Conseils en PI*
2. *Mandat OEB*
3. *Mandat OHMI*

RESPONSABLE ADMINISTRATIF ET FINANCIER

Franck BROCHET

CONSULTANT

Vincent CORLAU
Avocat

AUTRES BUREAUX EN FRANCE

3, rue du Faubourg Saint Honoré
75 008 PARIS
Tél : 33 (0) 158 183 183

Immeuble Salorges 1
15, Quai Ernest Renaud
44 100 NANTES
Tél : 33 (0) 240 692 000

Laval Mayenne Technopole
6 rue Léonard de Vinci
BP 0102
53001 LAVAL Cedex
Tél : 33 (0) 243 497 527
(Sur rendez-vous)

VIDON & PARTNERS

CHINE - THAILANDE

PROTECTION JURIDIQUE :
Stratégie de protection : rédaction et dépôt de brevets, dépôt de marques et modèles : études de contrefaçon, contentieux amiable et judiciaire.

VEILLE BREVETS :
Recherche de l'information technologique, surveillance de la concurrence.

CONTRATS - EXPERTISES :
Rédaction de contrats de coopération technologique (Licence, recherche, marchés d'étude,...) ; Expertise de portefeuilles de propriété industrielle.

M. POUESSEL Damien

14, avenue Croix Guérin
14000 CAEN

Rennes, le 27 décembre 2006

LRAR N°RA 3095 5761 6 FR

Nos réf : R9597US/PGE-SFL/52423

Objet : Demande de brevet américain n°10/587,908 issue de la demande de brevet internationale n°PCT/FR04/003378 du 23.12.05 revendiquant la priorité de la demande de brevet français n°04 00926 du 30.01.04 concernant un "Procédé de réception multi modulation s'appliquant à la démodulation de signaux issus de modulations dont les symboles sont inclus dans une constellation principale".

POUVOIRS À SIGNER

Cher Monsieur,

Comme vous le savez, nous représentons la société WAVECOM concernant la demande de brevet américain citée en objet dont vous êtes l'un des inventeurs.

Pour mémoire, nous vous transmettons ci-joint copie de cette demande de brevet américain qui revendique la priorité de la demande de brevet français n°04 00926 du 30.01.04, déposée par la société WAVECOM et dans laquelle vous êtes désigné comme inventeur.

Afin de compléter ce dossier, vous voudrez bien nous faire retour des originaux du pouvoir et de l'« Assignment » ci-joints, que vous aurez datés et signés, au plus tard pour le :

15 janvier 2007.

L'« Assignment » doit en outre comporter la signature d'un témoin qui indiquera également son nom et son adresse.

Dans cette attente, nous vous prions de croire, Cher Monsieur, à l'expression de nos sincères salutations.

P.J : *1 pouvoir*
1 cession
Copie de la demande de brevet
TECHNOLOGIES :

Mécanique ; électronique, informatique ;
matériaux ; chimie et biotechnologie.

P. VIDON

ASSIGNMENT

Attorney Docket No.

W51.12-0032

WHEREAS, we, Alexandre Rouxel of Rennes, France and Damien Pouessel of Issy-Les-Moulineaux, France (hereinafter referred to as ASSIGNOR), are the joint inventors of an invention entitled MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION for Letters Patent filed pursuant to the Patent Cooperation Treaty and designating of the United States, the international application being identifiable in the Receiving Office by Application No. PCT/FR2004/003378, filed December 23, 2004 and/or the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 10/587,908, filed July 28, 2006; and

WHEREAS, WAVECOM, a company and existing under the laws of France, and having offices at 3, Esplanade du Foncet, 92442 Issy-Les-Moulineaux Cedex, France, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, to be obtained therefor in the United States;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, all Letters Patent or similar legal protection issuing thereon in the United States, and I authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in the United States.

Alexandre Rouxel (Inventor)

Date: _____

(Witness Printed Name)

(Witness Signature)

(Witness Address)

d

Damien Pouessel (Inventor)

Date: *d*

(Witness Printed Name)

(Witness Signature)

(Witness Address)

*nom +
Signature +
Adresse, d'un témoin*

**COMBINED DECLARATION AND
POWER OF ATTORNEY
IN ORIGINAL APPLICATION**

Attorney Docket No.

W51.12-0032

SPECIFICATION AND INVENTORSHIP IDENTIFICATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original and joint inventor of the subject matter which is claimed, and for which a patent is sought, on the invention entitled MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION the specification of which,

X is entitled, MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION and having attorney docket number W51.12-0032.

X was filed on July 28, 2006 as Appln. No. 10/587,908.

X was described and claimed in PCT International Application No. PCT/FR2004/003378 filed on 23 December 2004 and as amended by Preliminary Amendment filed on July 28, 2006.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known to me to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119)

Prior Foreign Application(s)

I claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below, each of which is incorporated by reference in its entirety, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Day/Month/Year Filed	Priority Claimed
<u>04/00926</u>	<u>France</u>	<u>30 January 2004</u>	Yes <u>X</u> No <u> </u>
<u> </u>	<u> </u>	<u> </u>	Yes <u> </u> No <u> </u>

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States Provisional Application(s) listed below, each of which is incorporated by reference in its entirety:

Number	Day/Month/Year Filed
<u> </u>	<u> </u>
<u> </u>	<u> </u>

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appl. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____
_____	_____	_____	_____

DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I appoint the attorneys and agents associated with

Customer Number 27367,

which is the customer number for the law firm of Westman, Champlin & Kelly, P.A., to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution and revocation.

I ratify all prior actions taken by Westman, Champlin & Kelly, P.A. or the attorneys and agents mentioned above in connection with the prosecution of the above-mentioned patent application.

DESIGNATION OF CORRESPONDENCE ADDRESS

Please address all correspondence and telephone calls to David D. Brush in care of:

WESTMAN, CHAMPLIN & KELLY, P.A.
900 Second Avenue South, Suite 1400
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

Inventor: _____ Date: _____
(Signature)

Inventor: Alexandre Rouxel

Mathieu, France
Residence: Rennes, France Citizenship: France

P.O. Address: 14, rue Corentin Carre, 35000 Rennes, France
9, rue Alexandre Bigot, 14920 MATHIEU, France

Inventor: *[Signature]*
(Signature)

Date: *[Signature]*

Inventor: Damien Pouessel

Residence: *Caen, France*
Issy Les Moulineaux, France Citizenship: France

P.O. Address: ~~10, rue Roger Salengro, 92130 Issy Les Moulineaux, France~~
14, avenue Croix Guérin, 14000 Caen, France

**MULTI-MODULATION RECEPTION METHOD BASED ON
DEMULATION OF SIGNALS FROM MODULATIONS WHOSE
SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION**

5 **CROSS-REFERENCE TO RELATED APPLICATION**

This Application is a Section 371 National Stage Application of International Application No. PCT/FR2004/003378, filed December 23, 2004 and published as WO 2005/083964 on September 9, 2005, not in English.

FIELD OF THE DISCLOSURE

10

The field of the disclosure is signal processing applied to reception of signals and particularly radiocommunication signals.

15

More precisely, the disclosure relates to a method for receiving signals output from modulations for which the symbols are included in a set of symbols in a main constellation.

BACKGROUND

Solutions according to prior art

20 The conventional reception technique used by receiving terminals that have to demodulate several signals output from different symbol constellations, has always consisted in installing one detector in each receiver for each different modulation to be processed.

Disadvantages of prior art

25 A first disadvantage of this state of prior art relates to the increase in the complexity of the terminal, particularly when used for integration of different detectors. Integration of such a plurality of detectors inside the receiving terminal necessarily involves an increase in the size of the terminal, and this increase is contrary to ergonomic and / or miniaturisation constraints of radio-communication terminals, for example of the mobile telephone type.

30 Another disadvantage of this state of prior art relates to the importance of design costs induced by such an increase in the complexity of the receiving terminal, and also the importance of costs and / or extra costs, associated with the corresponding additional induced tests and validation, and extra costs related

Cabinet VIDON

Conseils en Propriété Industrielle
Patent & Trademark Attorneys

16 B, rue de Jouanet - BP 90333

Technopole Atalante

F - 35703 RENNES Cedex 7

LETTRE

RENNES CTC
ILLE ET VILA
29 12 06
346 L1 345972
417B 359650

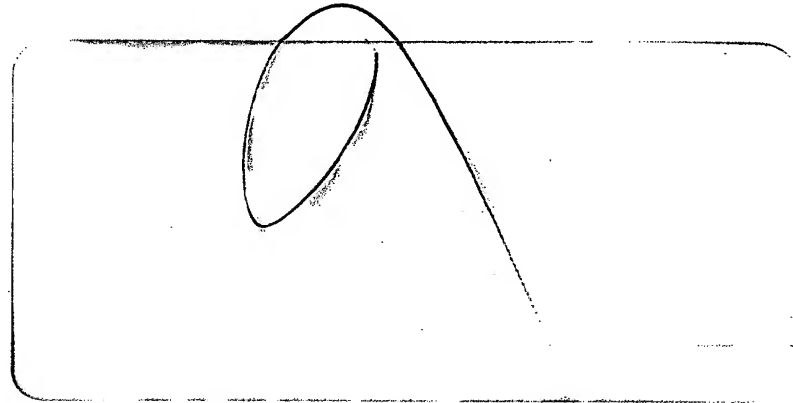
€ R.F.
006,70
LA POSTE
MB 600136

4 - JAN. 2007

CAUSE NPA:

- ☐ Parti sans laisser d'adresse
- ☒ Pas de boîte à ce nom
- ☐ Inconnu à l'adresse
- ☐ Ordre de réexpédition périmé
- ☐ Décédé
- ☐ Voie inconnue
- ☐ Adresse à corriger

RT: *Ly*



SP

RECOMMANDÉ A R

CAUSE NPA:

- ☐ Part sans laisser d'adresse
☒ Part sans laisser d'adresse
☐ Part sans laisser d'adresse
☐ Part sans laisser d'adresse
☐ D'écouter
☐ Voie inconnue
☐ Adresse à corriger

RT: *Ly*

LA POSTE

ENVOI D'UN OBJET RECOMMANDÉ
AVEC AVIS DE RÉCEPTION
RA 3095 5761 6 FR



RA 3095 5761 6FR

TAUX DE RECOMMANDATION R1 ☐ R2 ☐ R3 ☐
Cadre réservé au service

Présentation le

Distribution le **CAUSE NPA**

Signature

- ☐ Part sans laisser d'adresse
☒ Pas de boîte à ce nom
☐ Inconnu à l'adresse
☐ Carte postale
☐ Carte

De ☐ Voie inconnue ☐ Contre-Remboursement Nature de l'objet
☐ Adresse à corriger

RT: *20h*

RCS PARIS 366 000 000

DESTINATAIRE LÉGER ☒ COINS ☐

M. Damien PÉLÉ
14 avenue Croix Gaudin
14 000 Caen

EXPÉDITEUR

Cabinet VIDON
Technique d'Alger
16 B rue de Juvigny - BP 90323
25703 Rennes cedex 7
(P&S - S.A.)

UTILISER UN SCELLE À BULLE / APPUYER FORTEMENT

PREUVE DE DISTRIBUTION

AVIS DE PASSAGE

AVIS DE RÉCEPTION

M. POUESSEL Damien
10, rue Roger Salengro
92130 ISSY-LES-MOULINEAUX -

Rennes, December 27 2006

Registered Letter n°3095 5761 6FR

Our Ref. : R9597US/PGE-SFL/52423

Re : US patent application n°10/587,908 corresponding to international patent application n° PCT/FR04/003378 of 12.23.2005 claiming priority of French patent application n°04 00926 of 01.30.2004 concerning a « **MULTI-MODULATION RECEPTION METHOD BASED ON DEMODULATION OF SIGNALS FROM MODULATIONS WHOSE SYMBOLS ARE INCLUDED IN A MAIN CONSTELLATION** »

<i>POWERS OF ATTORNEY TO BE SIGNED</i>

Dear Sir,

As you know, we represent the company WAVECOM concerning the above-mentioned patent application, of which you are one of the inventors.

As a reminder, we enclose herewith copy a this American patent application, which claims priority of French patent application n°04 00926 of 01.30.2004, filed by the company WAVECOM and in which your are designated as inventor

So as to complete this case, we thank you to return us the **original** power of attorney and « Assignment » here enclosed, that you would have **signed and dated**, at the latest for :

January 15 2007.

The « Assignment » must also include the signature of a **witness** who will also indicate his/her **name** and **address**.

In this awaiting, we remain

Very truly yours,

P. VIDON

P.J : *1 Power of Attorney*
1 Assignment
Copy of the patent application

ANNEX 4

ANNEX 4

STATEMENT BY PATRICE VIDON REGARDING DETAILS OF EFFORTS TO REACH NON-SIGNING INVENTOR

I, Patrice Vidon, state as follows:

1. I am a French Patent & Trademark Attorney and am CEO of Cabinet Vidon, having an office at: Technopole Atalante, 16B, rue de Jouanet, BP 90333, F-35703 Rennes Cedex 7, France.

2. I represent Wavecom, having an office at: Immeuble Bord de Seine I, 3, Esplanade du Foncet, 92442 Issy-Les-Moulineaux Cedex, France.

3. Wavecom is the owner of U.S. Patent Application No. 10/587,908. At the time the subject matter of the above-identified patent application was conceived, the inventors Alexandre Rouxel and Damien Pouessel were employees of Wavecom.

4. The declaration for completing US Patent Application No. 10/587,908 was sent at each known address of Mr. Pouessel, but was returned by the Post Office, indicating that Mr. Pouessel does not reside at the given address.

5. The last known address of Mr. Pouessel is: 14, avenue Croix Guérin – 14000 Caen, France.

6. Enclosed with this statement are copies of correspondence sent to Mr. Pouessel's address in an attempt to obtain his signature on the declaration for completing U.S. Patent Application No. 10/587,908. The correspondence included the entire specification, including the claims, drawings and the declaration for the patent application. Specifically, enclosed are the following:

Annex 1:

- copy of our email communications with Mrs. Goudard of WAVECOM,
- English translation of these emails.

Annex 2:

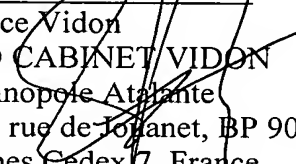
- copy of the letter to Mr. Pouessel dated October 3, 2006,
- copy of envelop, and
- English translation of this letter.

Annex 3:

- copy of the letter to Mr. Pouessel dated December 27, 2006,
- copy of envelop, and
- English translation of this letter.

7. I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 U.S.C. §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed,



Patrice Vidon
CEO CABINET VIDON
Technopole Atalante
16B, rue de Jolivet, BP 90333, F-35703
Rennes Cedex 7, France.

Date: May 4, 2007.